

**STATEMENT OF BASIS (AI No. 40944)**

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0096041 to discharge to waters of the State of Louisiana.

**THE APPLICANT IS:** Capital Marine Supply Inc.  
Post Office Box 1429  
Baton Rouge, Louisiana 70821

**ISSUING OFFICE:** Louisiana Department of Environmental Quality (LDEQ)  
Office of Environmental Services  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

**PREPARED BY:** Michelle Bickham

**DATE PREPARED:** October 27, 2008

**1. PERMIT STATUS****A. Reason For Permit Action:**

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

**B. NPDES permit –** NPDES permit effective date: N/A  
NPDES permit expiration date: N/A  
EPA has not retained enforcement authority.

**C. LPDES permits –** LA0096041  
LPDES permit effective date: November 1, 2003  
LPDES permit expiration date: October 31, 2008

**D. Date Application Received:** July 25, 2008

**2. FACILITY INFORMATION****A. FACILITY TYPE/ACTIVITY - barge fleeting facility**

Capital Marine Supply Inc. is an existing facility that is in the business of mooring (fleeting) barges engaged in maritime commerce into and out of the Port of Baton Rouge. Barges arrive on a large towboat and are received by smaller work boats and fleeted by tying off to a mooring system.

The facility discharges treated sanitary wastewater from a fixed Coast Guard-approved marine sewage treatment unit (newly-installed in 2008) located on the office barge moored at the foot of the lower Mississippi River Mile 230.0. Rainwater (previously identified as Outfall 002) collects in the hoppers of spar barges and is pumped into the Mississippi River. These spar barges, retired from commercial use, are used as a buffer to protect the shoreline (or Batture Property) and provide easier access for the proper mooring of the barges being fleeted. These spar barges are open hopper in design. Rainwater collects in the hopper and must be pumped out to keep the barges afloat. All of these barges have been cleaned of prior cargos. Capital Marine Supply Inc. currently utilizes 36 spar barges in its operations.

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**B. FEE RATE**

1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC code: 4499

C. LOCATION – front gate located at 555 N. River Road in Baton Rouge (Latitude 30° 27' 30", Longitude 91° 11' 28"); operating between Mississippi River Miles 229 and 232 in East Baton Rouge and West Baton Rouge Parishes

**3. OUTFALL INFORMATION**

Outfall 001

Discharge Type: treated sanitary wastewater  
Treatment: sewage treatment plant with aeration and sedimentation  
Location: at the point of discharge from the sewage treatment plant  
Flow: 780 gpd  
Discharge Route: Mississippi River

Outfall 002

This outfall is being removed from the permit. The discharges from this outfall will now be covered by Part II language. (See Part II, Paragraph J)

**4. RECEIVING WATERS**

STREAM - Mississippi River

BASIN AND SEGMENT - Mississippi Basin, Segment 070301

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife
- d. drinking water supply

**5. TMDL STATUS**

The discharges from Capital Marine Supply Inc. are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

**6. PROPOSED EFFLUENT LIMITS**

BASIS - See Rationale below.

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Changes from previous permit:

- The monitoring frequency for Outfall 001 has been increased from 1/6 months to 1/quarter.
- Outfall 002 has been removed from the permit.

## 7. COMPLIANCE HISTORY/COMMENTS

There have been no recent inspections at the facility.

DMR Review/Excursions –

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported Value</u>	<u>Permit Limits</u>
4/08	BOD	001	98 mg/L	45 mg/L
2/08	BOD	001	125 mg/L	45 mg/L
2/08	BOD	001	46 mg/L	45 mg/L
1/08	BOD	001	76 mg/L	45 mg/L
12/07	BOD	001	59 mg/L	45 mg/L
12/06	BOD	001	218 mg/L	45 mg/L
12/06	Fecal Coliform	001	TNTC	400 col/100 mL

## 8. EXISTING EFFLUENT LIMITS

Outfall 001 – treated sanitary wastewater

<b>Parameter</b>	<b>LPDES</b>	
	<b>Monthly Average</b>	<b>Weekly Average</b>
Flow	Report 1/6 months Est.	Report 1/6 months Est.
BOD <sub>5</sub>	---	45 mg/L 1/6 months Grab
TSS	---	45 mg/L 1/6 months Grab
Fecal Coliform	---	400 col./100mL 1/6 months Grab
pH	6.0-9.0 s.u. 1/6 months Grab	

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Outfall 002 – low contamination potential rainwater

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow	Report 1/discharge event Est.	Report 1/discharge event Est.

## 9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated October 24, 2007, from Boggs (FWS) to Brown (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

## 10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

## 11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

## 12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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### Rationale for Capital Marine Supply Inc.

#### 1. Outfall 001 - treated sanitary wastewater

Pollutant	Limitation		Reference
	Monthly Avg	Weekly Avg	
	mg/L		
Flow	----	Report	
BOD <sub>5</sub>	30	45	Similar discharges (BPJ); LAG530000
TSS	30	45	Similar discharges (BPJ); LAG530000
Fecal Coliform colonies/100ml	200	400 (Daily Max)	Similar discharges (BPJ); LAG530000
pH, s.u.	6.0 (min)	9.0 (max)	Similar discharges (BPJ); LAG530000

**Treatment:** sewage treatment plant with aeration and sedimentation

**Monitoring Frequency:** 1/quarter for all parameters at the point of discharge from the sewage treatment plant. The monitoring frequency for this outfall has been changed from 1/6 months to 1/quarter because of the numerous excursions for the outfall.

**Limits Justification:** Limits and monitoring frequencies are based on current guidance for similar discharges from other industrial facilities and LAG530000.

#### Storm Water Pollution Prevention Plan (SWP3) Requirement

As per LAC33:IX.2511.B.14.h, stormwater discharges from facilities classified as SIC Codes 4499 are not considered to have storm water discharges associated with industrial activity unless they have "vehicle maintenance shops, equipment cleaning operations, or airport deicing operations." This facility does not have vehicle maintenance shops and equipment cleaning operations; therefore, an SWP3 is not included in this permit.

However, based on BPJ and similar operations at other facilities, Barge BMPs will be applied to this facility.